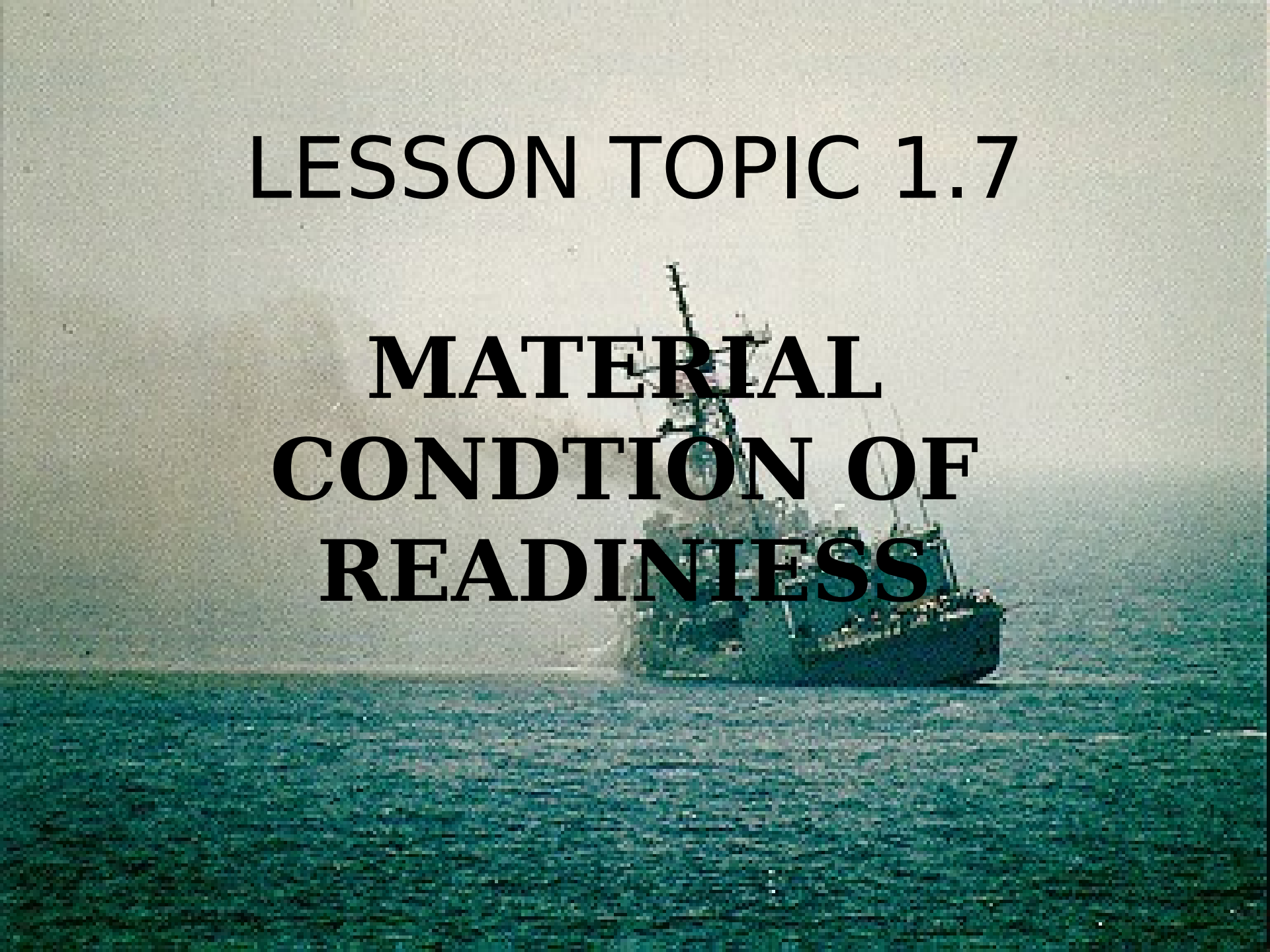


LESSON TOPIC 1.7

MATERIAL CONDTION OF READINIESS

LESSON TOPIC 1.7

- ENABLING OBJECTIVES:

1.20 IDENTIFY the purposes of the different Departments and Offices in the Division of Williams and Williams

NWP-20.31

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Purpose

To afford ships a system of progressive steps through which they can obtain the battle condition in which there is the maximum practical degree of watertight, airtight, and fumetight integrity

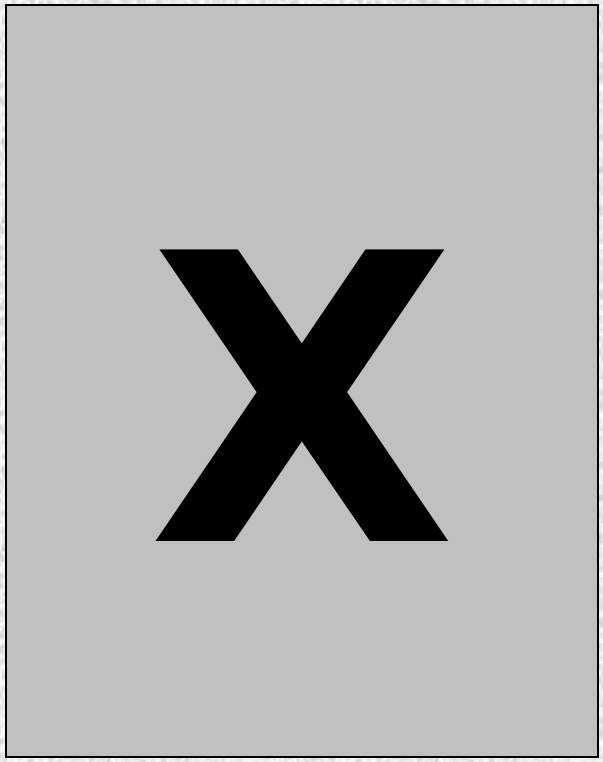
LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Material Conditions

X-RAY

- Indicated by a black “X” on white or metallic background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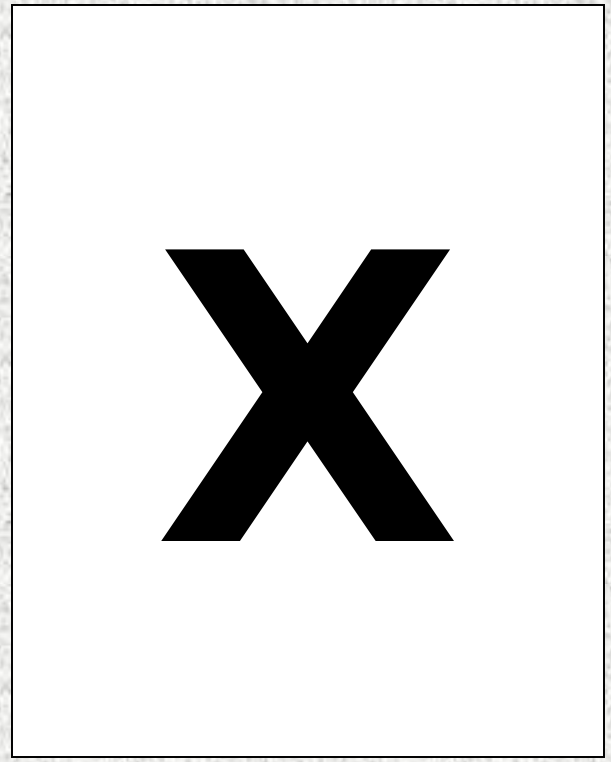

X

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Material Conditions

X-RAY

- Indicated by a black “X” on white or metallic background
- Provides the minimum protection
- Set when the ship is under no threat of attack in a well protected harbor.
- X-ray classified fitting are closed at all times

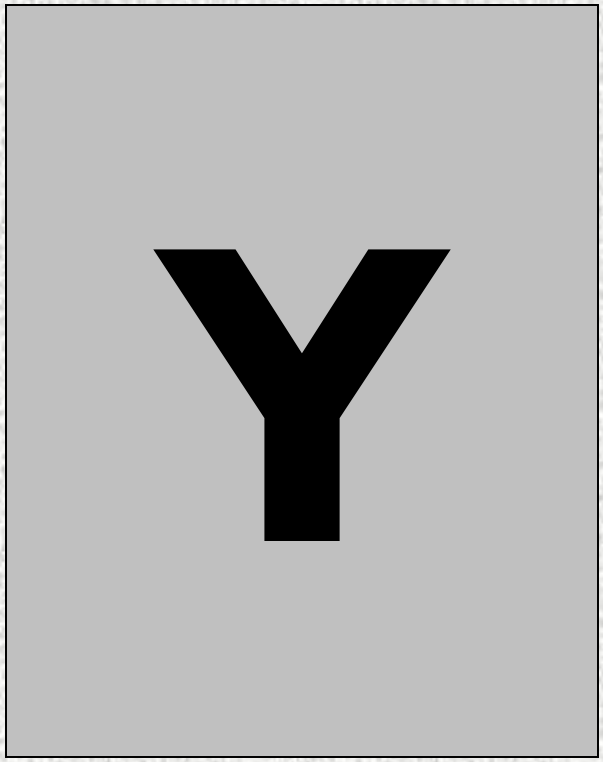
LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Material Conditions

YOKE

- Indicated by a black “Y” on white or metallic background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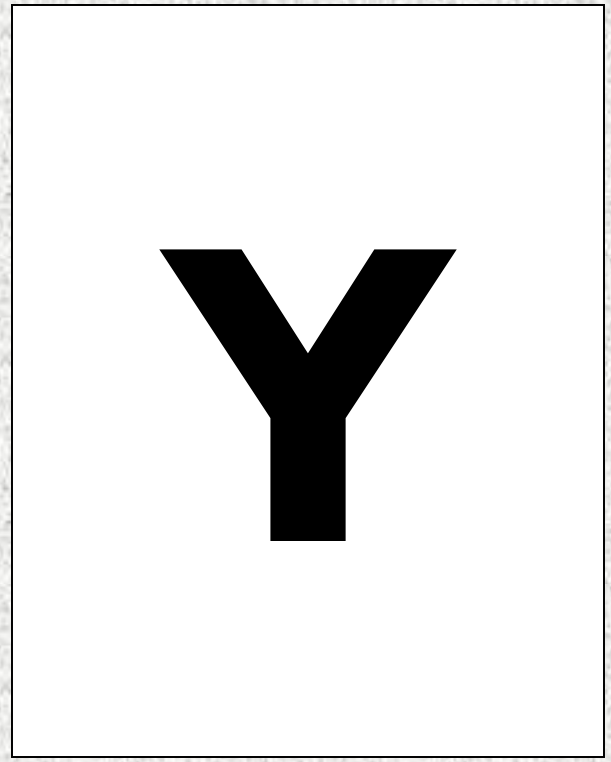

Y

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Material Conditions

YOKE

- Indicated by a black “Y” on white or metallic background
- Set and maintained at sea
- Inport during wartime.
- When condition Yoke is set all fittings marked with X and Y,
  and circle X and circle Y are closed

MODIFIED CONDITION YOKE IS SOMETIMES USED AT SEA WHEN CRUISING INDEPENDENTLY IN GOOD WEATHER, CALM SEAS AND INPORT IN PEACETIME.

YOKE FITTINGS ABOVE THE WATER LINE ARE LEFT OPEN TO IMPROVE VENTILATION AND HABITABILITY. ALL THER X-RAY AND YOKE FITTING ARE CLOSED.

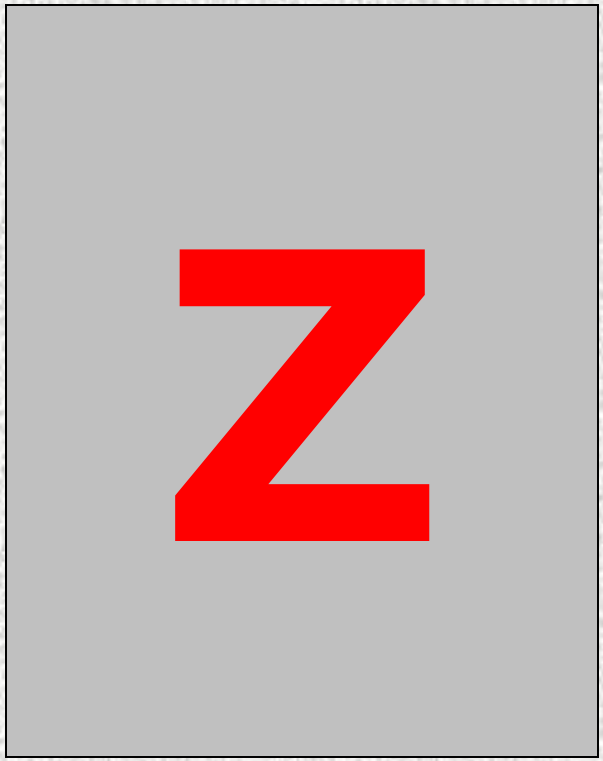
LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Material Conditions

Zebra

- Indicated by a red “Z” on white or metallic back ground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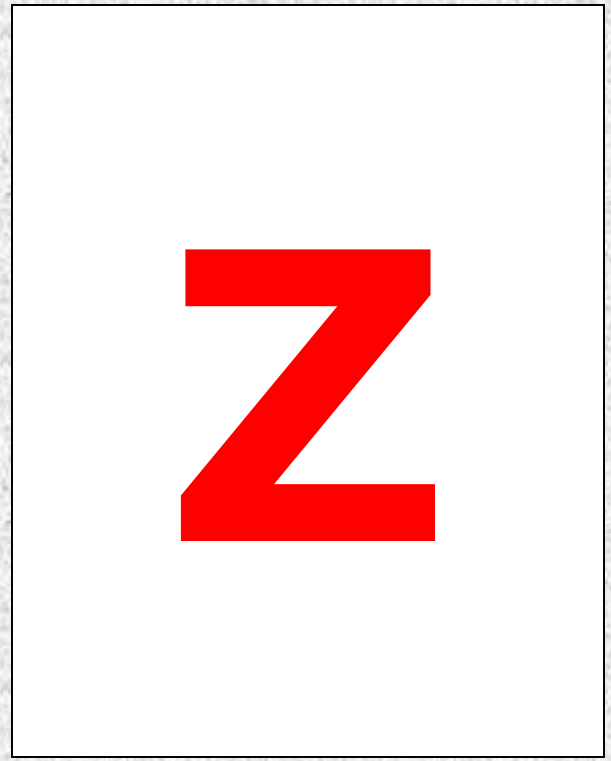

Z

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Material Conditions

Zebra

- Indicated by a red “Z” on white or metallic back ground
- Used for maximum protection in battle
- Set prior to entering or leaving port during wartime
- Set immediately upon sounding of GQ by the GQ manning crew

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Material Conditions

Zebra

Set to control fire or flooding when not at GQ by repair party personnel

Set at any time the CO deems the maximum condition of survivability is required

Locked or blocked Zebra fittings must be logged in the DC closure log

During condition Zebra, all fittings classified X-ray, Yoke and Zebra are closed.

THE SETTING OF MODIFICATION CONDITION ZEBRA GIVES A HIGHER SURVIVABILITY STANCE THEN CONDITION YOKE.

AT THE SAME TIME, MODIFIED ZEBRA IS LESS RESTRICTIVE AND WILL MORE READILY ALLOW THE ACCOMPLISHMENT OF CERTAIN OPERATIONAL REQUIREMENTS.

MODIFIED ZEBRA MAY RESULT AS AN UPGRADE FROM CONDITION YOKE OR AS A DOWNGRADE FROM CONDITION ZEBRA

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Material Conditions

Zebra

Some of the situations which may make a modified material condition Zebra desirable are:

- Ships steaming in known threat locations such as the Persian Gulf
- Restricted maneuvering
- Commanding Officer discretion.

LESSON TOPIC 1.7

MATERIAL CONDITION OF READINESS

When setting modified condition Zebra all QAWTD’S are set on the DC deck and below. All WTH’s are closed and dogged that have QAWT’S. This allows access to compartments without effecting the ships ability to maximize the setting of Zebra in the shortest time

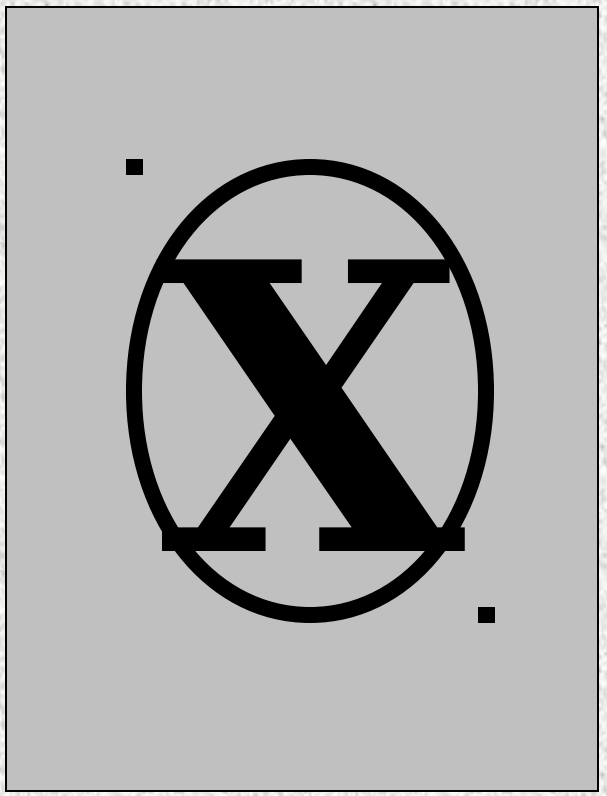
LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Special Condition

Circle X-RAY and Circle Yoke

Indicated by a black “X”or “Y” within a black circle on white or metallic background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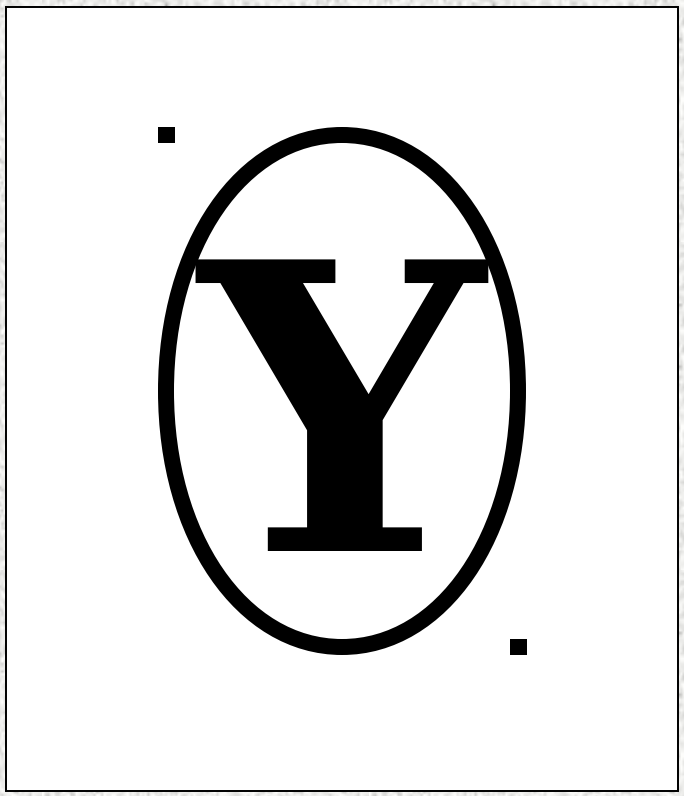

Y

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Special Condition

Circle X-RAY and Circle Yoke

Indicated by a black “X”or “Y” within a black circle on white or metallic background

Applies to special fittings that permit access to:

- Battle stations.
- Transfer ammunition
- Conduct inspections

May be open without special permission BUT must be secure immediately after use

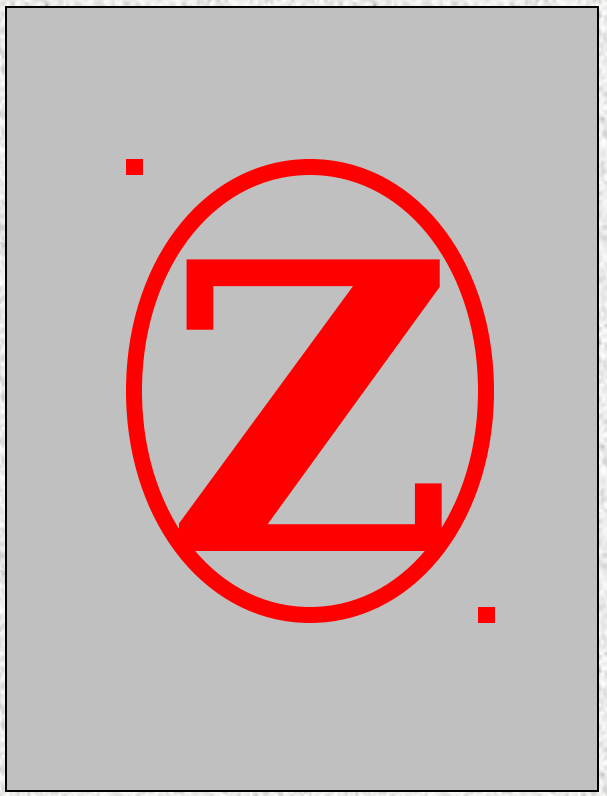
LESSON TOPIC 1.7

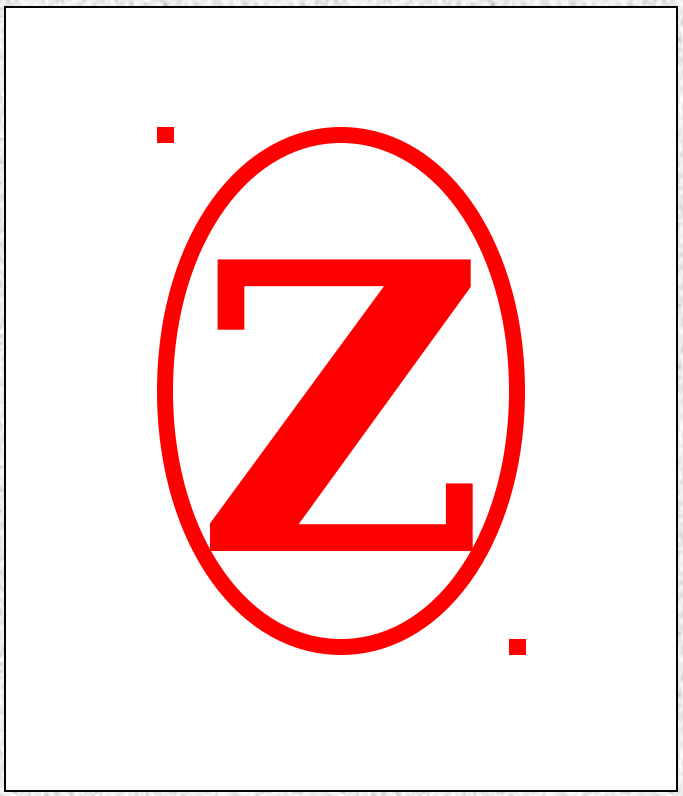
- MATERIAL CONDITIONS OF READINESS

Special Condition

Circle Zebra

Indicated by a red letter “Z” within a red circle on white or metallic back ground





LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Special Condition

Circle Zebra

Indicated by a red letter “Z” within a red circle on white or metallic back ground

Applies only to fittings that may be opened during prolonged periods of general quarters, with Commanding Officer permission

Must be guarded for immediate closure

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Special Condition

Dog Zebra

Indicated by a red “Z” within a black “D” on white or metallic back ground

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Special Condition

Dog Zebra

Indicated by a red “Z” within a black “D” on white or metallic back ground

These special classifications allow normal passage for watches or patrols

Dual responsibility fittings

Closed by repair team when condition Zebra is set

Closed by divisional DCPO when darken ship is set

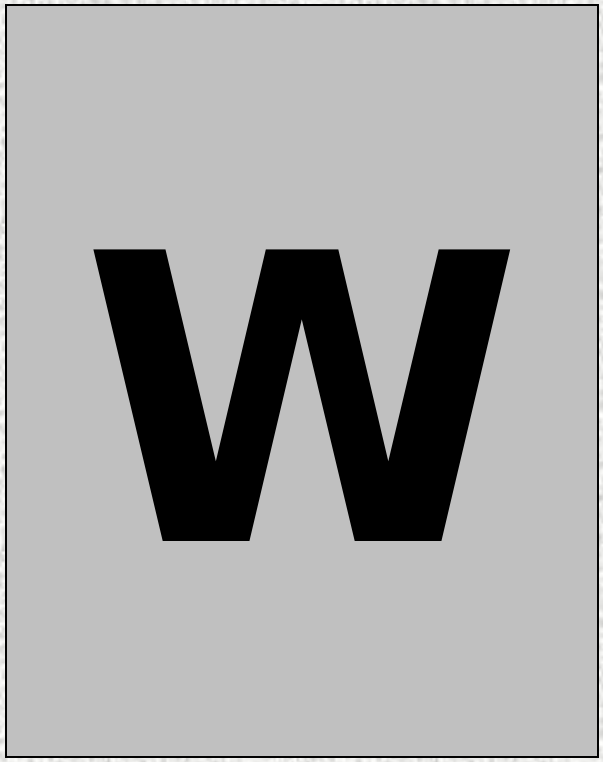
LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Special classification

William

Indicated by a black “W” on white or metallic back ground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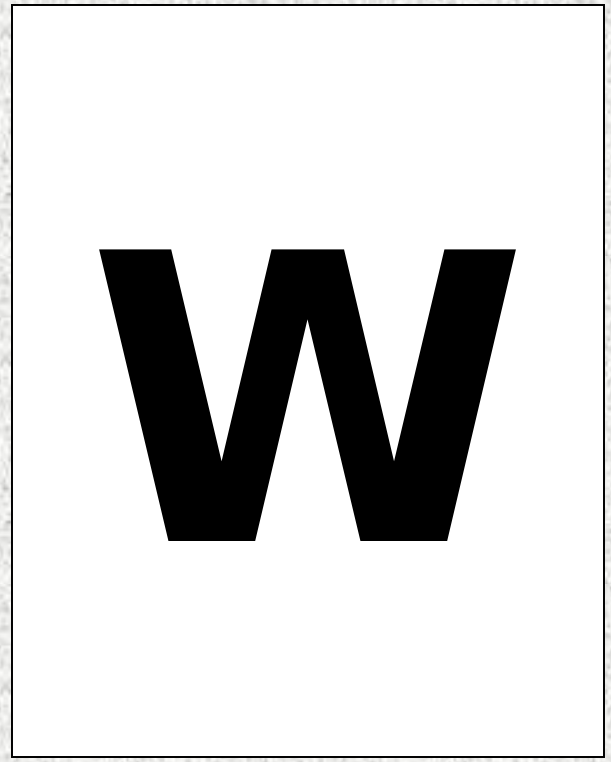
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LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Special classification

William

Indicated by a black “W” on white or metallic back ground

Applied to vital ship systems

Open and operating when system in use

Closed to restrict the spread of damage or to accomplish PMS

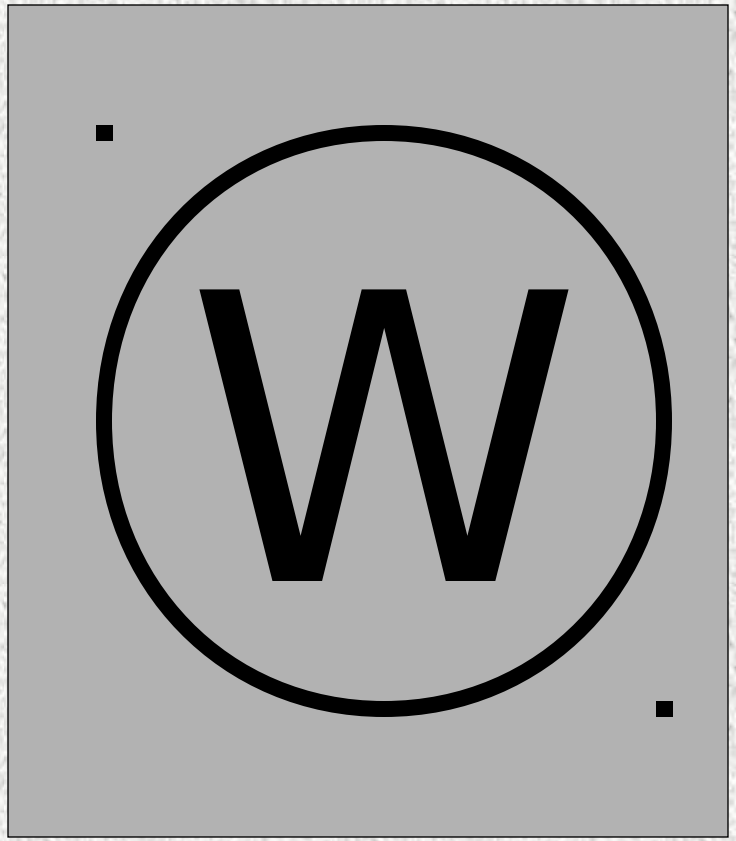
LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Special classification

Circle William

Indicated by a black “W” within a black circle on white or metallic back ground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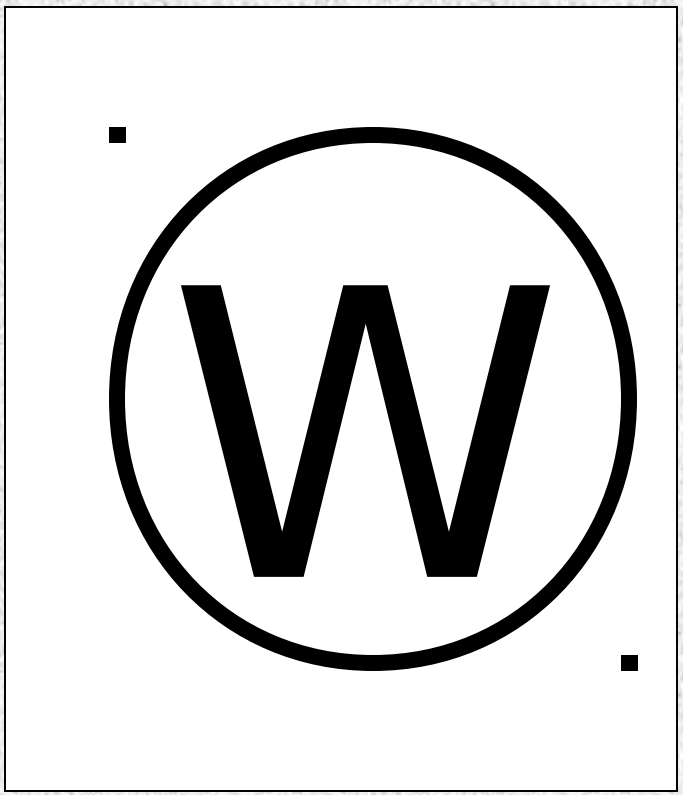
W

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Special classification

Circle William

Indicated by a black “W” within a black circle on white or metallic back ground

Applied normally to ventilation systems and access openings

Closed in case of CBR attack

Closed to restrict the spread of damage or to accomplish PMS

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

Responsibility and procedures of setting prescribed material condition or readiness and making reports

The setting of material conditions Zebra is the responsibility of the personnel assigned responsibility for the space or area that is specified for Zebra operation, and of the damage control organization which has responsibility for the system fittings is located, normally the division operation and maintenance

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

DAMAGE CONTROL CLOSURE LOG

A record of the status of damage control classified closures and fitting is maintained in the Damage Control Closure Log.

The closure log and procedures for its use were established to facilitate the checking of material conditions of readiness and to expedite the setting of material condition Zebra.

The closure log also aids the DCA in controlling the number of fittings that are logged open or closed IAW authorized material condition of

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

DAMAGE CONTROL CLOSURE LOG

The closure log is normally maintained in Damage Control Central. Ships not having a DCC watch posted should maintain the closure log on the Quarterdeck inport, and on the Bridge at sea

Estimated time open may not be longer than 24 hours, at which time fitting must be closed and relogged open or logged closed.

(DC) closure logs must be filled out in black ink. Date must be filled in completely, i.e.., 8/12/92 or 12 AUG 92

LESSON TOPIC 1.7

- MATERIAL CONDITIONS OF READINESS

DAMAGE CONTROL CLOSURE LOG

The Commanding Officer shall designate in writing the maximum number of fittings authorized to be in violation of prescribe material condition.

LESSON TOPIC 1.7